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meritorious and worthy of honor. The medal and diploma and surplus income shall not, however, for more than two years successively, be awarded for treatises upon any one branch of either of the sciences above mentioned. Professor Henry Fairfield Osborn, of New York, the scientific director of the American Museum of Natural History in New York City and the secretary of the Smithsonian Institution at Washington for the time being, are appointed as such judges. Vacancies at any time occurring in the number of the judges shall be filled by the Council of the said National Academy of Sciences, and in each case of a vacancy it is the wish of the said Margaret Henderson Elliot that the council will, if practicable, appoint to the position an American naturalist eminent in zoology or paleontology.

As science is not national the medal and diploma and surplus income may be conferred upon naturalists of any country, and as men eminent in their respective lines of scientific research will act as judges, it is the wish of the said Margaret Henderson Elliot that no person acting as such judge shall be deemed on that account ineligible to receive this annual gift, and the medal, diploma and surplus income may in any year be awarded to any one of the judges, if, in the opinion of his associates, he shall, by reason of the excellence of any treatise published by him during the year, be entitled to receive them.

The committee of the award includes Secretary Charles D. Walcott, of the Smithsonian Institution; Director F. A. Lucas, of the American Museum, and President Henry Fairfield Osborn, of the American Museum. The committee invites nominations from the works of the year 1919. The award for 1917 was to Frank M. Chapman's "Birds of Colombia." The award for 1918 was to Beebe's "Monograph of the Pheasants."

HENRY FAIRFIELD OSBORN

AMERICAN MUSEUM OF NATURAL HISTORY,
NEW YORK

SCIENTIFIC NOTES AND NEWS

PRINCETON UNIVERSITY has conferred its doctorate of laws on Dr. Raphael Pumpelly, the geologist, and its doctorate of science on Dr. Alexis Carrel, of the Rockefeller Institute for Medical Research. Dr. Carrel has also

received the same degree from Brown University.

THE degree of doctor of science was conferred upon Dr. Frank Schlesinger, director of the Yale Observatory, by the University of Pittsburgh at its commencement on June 9.

THE degree of doctor of science was conferred on Professor Lewis William Fetzer, of the department of physiology and pharmacology in the Baylor University College of Medicine, at the recent commencement exercises of the University of Dallas.

THE degree of doctor of laws has been conferred by the University of Pennsylvania on Professor John M. Macfarlane, who is this year retiring from the chair of botany after a service of twenty-eight years.

THE degree of doctor of science has been conferred by the University of Liverpool on Professor F. G. Donnan, formerly professor of physical chemistry in the university, and now professor of chemistry in University College, London, and on Professor W. A. Herdman, formerly Derby professor of natural history, and now professor of oceanography, in the university.

THE honorary degree of doctor of letters has been conferred by the University of Oxford on Dr. Temistocle Zammit, professor of chemistry in the University of Malta and curator of the Valetta Museum.

DR. B. L. ROBINSON, Asa Gray professor of systematic botany in Harvard University, has been elected a corresponding member of the Czechoslovakian Botanical Society.

THE Stewart prize of the British Medical Association has been awarded to Dr. Harriette Chick, an assistant in the department of experimental pathology of the Lister Institute.

SIR WILLIAM J. POPE has been elected president of the Society of Chemical Industry.

PROFESSOR AUGUSTUS TROWBRIDGE, of the department of physics of Princeton University, has been granted a leave of absence for the coming academic year in order to become chairman of the Committee on Mathematics, Physics and Astronomy of the National Research Council.

HENRY L. WARD, for the past eighteen years director of the Public Museum of the city of Milwaukee, has tendered his resignation to become effective on or before January 1, 1921.

ALEXANDER L. PRINCE, M.D., assistant professor of physiology in Yale University Medical School, has resigned in order to accept a position in the industrial research department of the Aetna Life Insurance Company at Hartford.

DR. ALFRED N. COOK, for sixteen years professor of chemistry at the State University of South Dakota and for thirty-nine years a teacher of chemistry, has resigned to take effect at the close of the present academic year. He will make his future home in southern California.

DR. A. NEIVA, chief of the public health service of the state of S. Paulo, Brazil, has been commissioned by the authorities to study the organization of the public health service in Japan and in the United States, and the prophylaxis of leprosy in Norway, the Philippines and Hawaii.

PROFESSOR EDMUND HARVEY, of Princeton University, has received leave for the first term of next year, during which he will join a scientific mission to the East Indies for the Carnegie Institution to study animal luminescence.

DR. FRANK E. LUTZ, of the American Museum of Natural History, of New York City, has started on the third of a series of expeditions planned to trace the distribution of insect life in the western part of the United States. The first of these expeditions collected in the Santa Catalina Mountains and the deserts of Southern Arizona; the second—made last year—worked in the Colorado Rockies. This year special attention will be paid to regions north and west of Colorado.

MR. E. P. VAN DUZEE, curator of entomology in the California Academy of Sciences, and Dr. E. C. Van Dyke, of the University of California, who attended the annual meeting of the Pacific Division of the American Asso-

ciation for the Advancement of Science in Seattle, will remain for a month in the state of Washington for field work. Mr. Van Duzee, who specializes in the Hemiptera, has in his collection and that of the California Academy of Sciences probably the most representative collection of Hemiptera in America. Dr. Van Dyke will collect Coleoptera in which he is a specialist.

DIRECTOR HOMER R. DILL, of the Vertebrate Museum, State University of Iowa, is to accompany Mr. Ernest W. Brown on a fish collecting expedition to the Hawaiian Islands during the months of July and August. The specimens collected will be divided between Mr. Brown's private collection and the Iowa Museum. The first of September an expedition headed by Professor Dill will be sent to the Cascade Mountains in northeastern Washington and British Columbia for the purpose of studying the mountain goats in their native haunts and collecting specimens for museum exhibits. The State Museum of Washington will be represented by Curator C. J. Albrecht. Other members of the party are Mr. Robert Brown, Mr. Russell Hendee and Mr. B. E. Manville. Mr. Ernest Brown, of Des Moines, is assisting the undertaking by meeting a considerable part of the expense.

DR. LIBERTY HYDE BAILEY, of Ithaca, now president of the American Pomological Society, is reorganizing the society throughout the country, and is establishing junior branches in a number of agricultural colleges in the United States and Canada. The American Pomological Society, organized in 1847, is the oldest of our national agricultural societies. The society proposes under its new plan to consider national affairs which touch upon the growing of fruits, such as legislation, quarantine, export, transportation and standardizing of methods.

THE Imperial Entomological Conference was opened in London on Tuesday, June 1, by Lord Harcourt. We learn from *Nature* that the official delegates to the conference are: Canada and South Africa, Mr. C. P. Lounsbury; Australia, Professor R. D. Watt; New

Zealand; Dr. R. J. Tillyard; India, Mr. C. F. C. Beeson; Queensland, Mr. F. Balfour Browne; British Guiana, Mr. G. E. Bodkin; Ceylon, Mr. F. A. Stockdale; East Africa Protectorate, Mr. T. J. Anderson; Federated Malay States, Mr. P. B. Richards; Gold Coast, Mr. W. H. Patterson; Imperial Department of Agriculture for the West Indies and Leeward Islands, Mr. H. A. Ballou; Mauritius, Mr. G. G. Auchinleck; Northern Rhodesia, Dr. Aylmer May; Southern Rhodesia, Mr. R. W. Jack; Seychelles, Dr. J. B. Addison; Sierra Leone, Mr. H. Waterland; Straits Settlements, Mr. P. B. Richards; Sudan, Mr. H. H. King; Trinidad, Mr. F. W. Urich, and Uganda, Mr. C. C. Gowdey.

PROFESSOR C. E. McCCLUNG, head of the department of zoology in the University of Pennsylvania, national president of the Sigma Xi, and chairman of the section of biology and agriculture of the National Research Council, addressed the Michigan Chapter of the Sigma Xi at the annual initiation and banquet on June 3 on the "Relation of the Sigma Xi to the National Research Council." Professor E. C. Case, of the University of Michigan, gave a brief memorial of Samuel Wendell Williston.

FRENATÆ, the Entomological Club of the University of Minnesota, holds regular meetings every Tuesday throughout the year, at 4:30 p.m. in the entomological laboratories, University Farm, St. Paul. During the summer special field trips will be arranged. Entomologists visiting the Twin cities are invited to attend and to take part in these meetings. Among the visitors and speakers of the past year have been: H. E. Ewing, of the National Museum; W. E. Dove, Bureau of Entomology; T. B. McGath, of the Mayo Institution; H. E. Strickland, of the Canadian Entomological Service; Professor H. L. Osborn, of Hamline University, and Professor Sadao Yoshida, of Osaka, Japan.

THE death is announced of Mr. Henry Lindenohl, cartographer of the U. S. Coast and Geodetic Survey, in his eighty-second year, after fifty-nine years of service with the

Survey. Mr. Lindenohl was born in Hesse-Cassel, Germany, and became an American citizen in 1861.

DR. JAMES HERVEY HYSLOP, secretary of the American Institute for Psychical Research, formerly professor of philosophy in Columbia University, died on June 17, in the sixty-sixth year of his age.

DR. FRANK SHIPLEY COLLINS, who for many years has been recognized as one of the foremost American authorities upon the *Algae*, died suddenly of heart disease at New Haven, Conn., on May 25, in his seventy-third year. Born on February 6, 1848, he was for the greater part of his life a resident of Malden, Mass., where he became an expert accountant in the employ of a large rubber manufacturing company. He early developed an interest in botany and was a leading spirit in the Middlesex Institute, a local scientific organization which did much creditable work, including the preparation of the Flora of Middlesex county, Mass., of which Mr. Collins was co-editor with the late Lorin L. Dame. In 1895 Mr. Collins was one of the founders of the New England Botanical Club, of which he was president from 1902 to 1905. In 1899 he became one of the associate editors of *Rhodora*, the journal of the club, a position that he held with distinguished ability until his death more than twenty-one years later. The greater part of his contributions to science relates to the marine algae, on which group he published many papers. In association with Professor W. A. Setchell and the late Isaac Holden, he edited an extensive and highly valued series of algal *exsiccatæ*, the *Phycotheca Boreali-Americana*. In recognition of his excellent scientific work he was appointed associate of the Harvard University Museum, was elected a fellow of the American Academy of Arts and Sciences, and received the honorary degree of D.Sc. from Tufts College.

THE following quotation is taken from the *Bulletin* of Wheaton College under the heading "Our new professors":

Our former biology teacher because of a change in view or for some other reason was teaching the

doctrine that human beings have descended from animals. This not being the belief of the college, which accepts the Bible account of creation in all its details, she resigned her position and her resignation was accepted. God sent to us in a very definite manner Professor S. J. Bole, an A.B. from the University of Illinois, who was for nine years an instructor in the Illinois State University, but whose religious views were positive and clear and made him desirous of a change. He has entered upon his work with enthusiasm and is very highly esteemed by his fellow teachers and students. In view of the general situation among university men, we consider his coming to us distinctly providential.

THE Indian mathematician Srinivasa Ramanujan, F.R.S., fellow of Trinity College, Cambridge, has died at the age of thirty-two years.

THE death is announced at the age of seventy-seven years of Clement Arkadievitch Timiriazeff, emeritus professor of botany in the University of Moscow, recently elected to the Moscow soviet. Professor Timiriazeff was known for his work on the participation of the different rays of the visible spectrum in the photosynthetic activity of the green leaf. He was the author of a number of books on botany and agriculture, his earliest being a work on "Darwin and his Theory" published in 1863.

THE Biological Station of the University of Michigan will hold its twelfth session on the shores of Douglas Lake near Pellston in northern Michigan, June 28 to August 20, under the directorship of Professor George R. La Rue. The instructors are: Professor Frank Smith, University of Illinois; Assistant Professor Paul S. Welch, University of Michigan; Dr. Dayton Stoner, State University of Iowa; Assistant Professor Frank C. Gates, Kansas State Agricultural College; Assistant Professor George E. Nichols, Yale University; and Dr. John H. Ehlers, University of Michigan. Special and research courses in zoology and botany and facilities for research are also offered to qualified students.

THE summer courses in biology at the Hopkins Marine Station, Pacific Grove, Cali-

fornia, began on June 22 and will end on September 3. Instruction is offered in general zoology, the classification and ecology of marine invertebrates, comparative anatomy of vertebrates; the fishes of California, elementary physiology, general physiology, the algae and special work in zoology, physiology and botany. The faculty will consist of Professors W. K. Fisher, Edwin C. Starks, and Gertrude Van Wagenen in zoology; Professors E. G. Martin, J. P. Baumberger, and J. M. D. Olmsted in physiology and J. I. W. McMurphy in botany. Dr. Frank R. Lillie, of the University of Chicago, spent the winter quarter at the station and Dr. H. H. Newman is there during the spring quarter.

UNIVERSITY AND EDUCATIONAL

THE will of Richard M. Colgate gives \$100,000 to Yale University and to Colgate University.

DRURY COLLEGE has completed the raising of \$400,000 in order to secure an additional sum of \$200,000 from the General Educational Board. The net productive endowment of the college is now over one million dollars. As a consequence of the success of this endowment, salaries of professors and teachers have been increased from 25 to 60 per cent.

AT its last meeting the Yale corporation elected Dr. Milton Charles Winternitz dean of the Yale School of Medicine to succeed Dr. George Blumer. Dr. Winternitz joined the Yale faculty in the fall of 1917 as professor of pathology.

AT Washington and Lee University, L. J. Desha, Ph.D., formerly professor of chemistry in the Medical College of Tennessee, has been elected professor of chemistry; W. D. Hoyt, Ph.D., associate professor of biology, has been promoted to professor of biology and head of the department.

AT Oberlin College Associate Professor W. D. Cairns has been promoted to be professor of mathematics and head of the department, professor F. Anderegg having retired after thirty-three years of teaching in Oberlin.